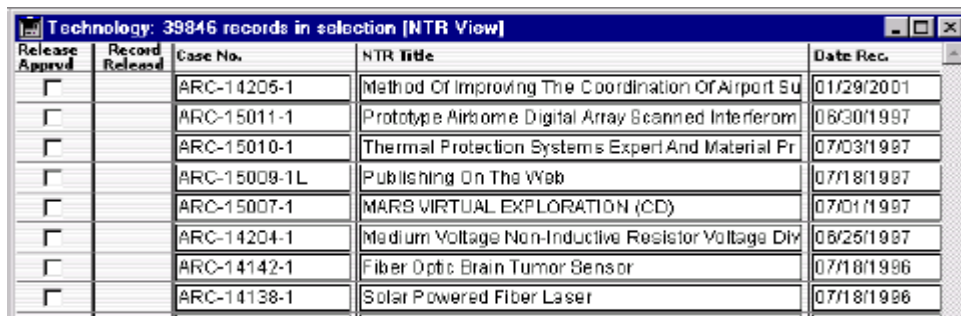# Invert Selection - Tip #80

Invert Selection is probably one of the most under-used, least recognized functions available in TechTracS. The Invert Selection function can be very helpful when manipulating selected records. A good example of how Invert Selection could be used can be seen in the following steps.

Problem: A Quick Report is needed that includes only those records that do not contain Program No.(s) or where the Program No. field is blank.
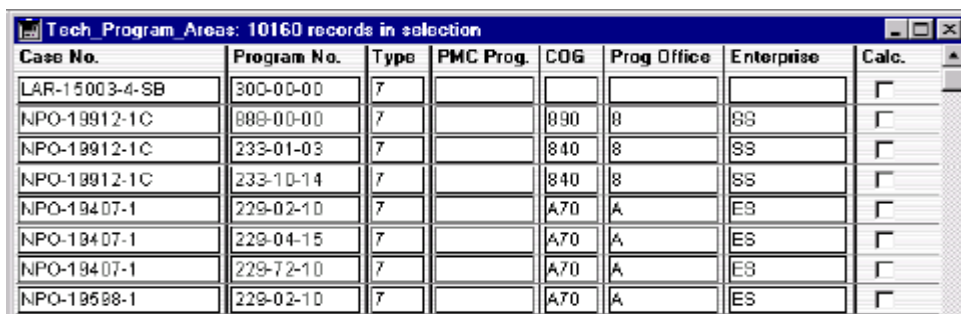
[Technology] Show All - 39846 records

Release Apprvd	Record Released	Case No.	NTR Title	Date Rec.
☐		ARC-14205-1	Method Of Improving The Coordination Of Airport Su	01/29/2001
☐		ARC-15011-1	Prototype Airborne Digital Array Scanned Interferom	06/30/1997
☐		ARC-15010-1	Thermal Protection Systems Expert And Material Pr	07/03/1997
☐		ARC-15009-1L	Publishing On The Web	07/18/1997
☐		ARC-15007-1	MARS VIRTUAL EXPLORATION (CD)	07/01/1997
☐		ARC-14204-1	Medium Voltage Non-Inductive Resistor Voltage Div	06/25/1997
☐		ARC-14142-1	Fiber Optic Brain Tumor Sensor	07/18/1996
☐		ARC-14138-1	Solar Powered Fiber Laser	07/18/1996

Solution: Go to the [Tech_Program_Areas] table and *Select All* records. *Relate* these records to the [Technology] table.

[Tech_Program_Areas] Show All - 10160 records

Case No.	Program No.	Type	PMC Prog.	COG	Prog Office	Enterprise	Calc.
LAR-15003-4-SB	300-00-00	7					☐
NPO-19912-1C	888-00-00	7		890	8	SS	☐
NPO-19912-1C	233-01-03	7		840	8	SS	☐
NPO-19912-1C	233-10-14	7		840	8	SS	☐
NPO-19407-1	229-02-10	7		A70	A	ES	☐
NPO-19407-1	229-04-15	7		A70	A	ES	☐
NPO-19407-1	229-72-10	7		A70	A	ES	☐
NPO-19598-1	229-02-10	7		A70	A	ES	☐

Invert Selection - Tip #80

All of the records that are returned in the [Technology] list screen contain Program No(s).

[Tech_Program_Areas] relate to [Technology] - 8888 records

Release Approvd	Record Released	Case No.	NTR Title	Date Rec.
☐		ARC-14205-1	Method Of Improving The Coordination Of Airport Su	01/29/2001
☐		ARC-15011-1	Prototype Airborne Digital Array Scanned Interferom	06/30/1997
☐		ARC-15010-1	Thermal Protection Systems Expert And Material Pr	07/03/1997
☐		ARC-15009-1L	Publishing On The Web	07/18/1997
☐		ARC-15007-1	MARS VIRTUAL EXPLORATION (CD)	07/01/1997
☐		ARC-14142-1	Fiber Optic Brain Tumor Sensor	07/18/1996
☐		ARC-14138-1	Solar Powered Fiber Laser	07/18/1996
☐		ARC-14141-1	Fiber Optical Microphone	07/18/1996

Now if the *Invert Selection* function is used, all of the records that did not have Program No(s)will be returned.

[Technology] Invert Selection - 30958 records

Release Approvd	Record Released	Case No.	NTR Title	Date Rec.
☐		ARC-14204-1	Medium Voltage Non-Inductive Resistor Voltage Div	06/25/1997
☐		ARC-14088-1	A Laminar Flow Wing Leading Edge Construction T	02/12/1996
☐		ARC-14080-1	IMPACT	01/08/1996
☐		ARC-14196-1	Trajectory Optimization By TPS Analysis And Logic (	03/18/1997
☐		ARC-11869-1	Access Arbitration For An Input-Output Controller	11/10/1987
☐		ARC-11868-1	Generic Multimode Input-Output Controller	11/10/1987
☐		ARC-11867-1	Watchdog Activity Monitor (WAM) For Use With High	11/10/1987
☐		ARC-11865-1	N-Dimensional Input-Output Controller	11/10/1987